

TRANSMISSION LINE REBUILD  
PROJECT TL 550  
CONSTRUCTION DOCUMENTS  
GEORGE WASHINGTON NATIONAL FOREST  
WEST VIRGINIA & VIRGINIA

SEAL

PRELIMINARY  
NOT FOR CONSTRUCTION

SCALE

1	04/19/21	ARB	FOR REVIEW
0	03/12/21	ARB	FOR REVIEW
No.	DATE	BY	Description

REVISIONS

DRAWN BY ARB

APPROVED BY

CHECKED BY KAP

DATE 04/19/2021

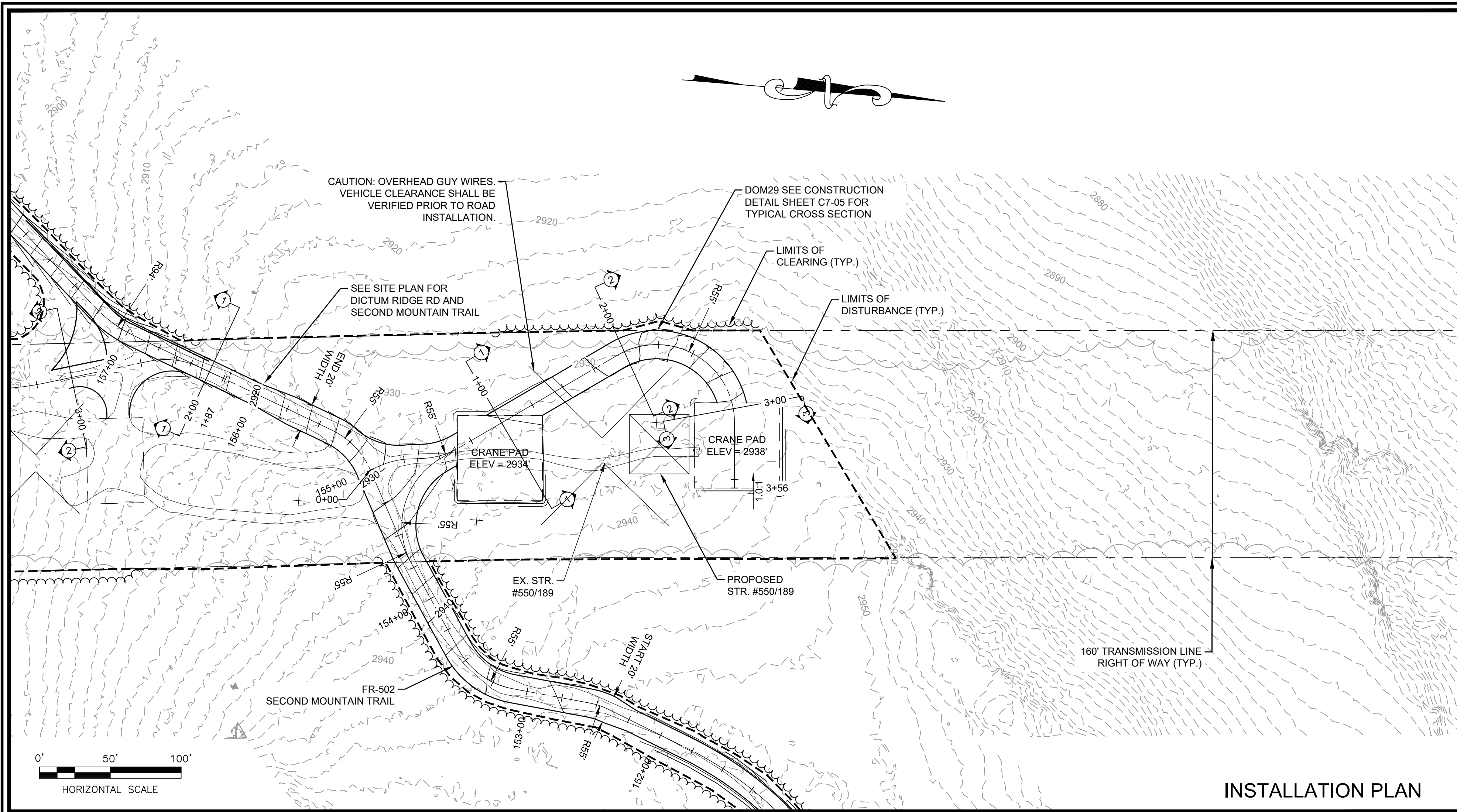
TITLE

DOM29  
PLAN & PROFILE,  
CROSS SECTIONS,  
AND ESC

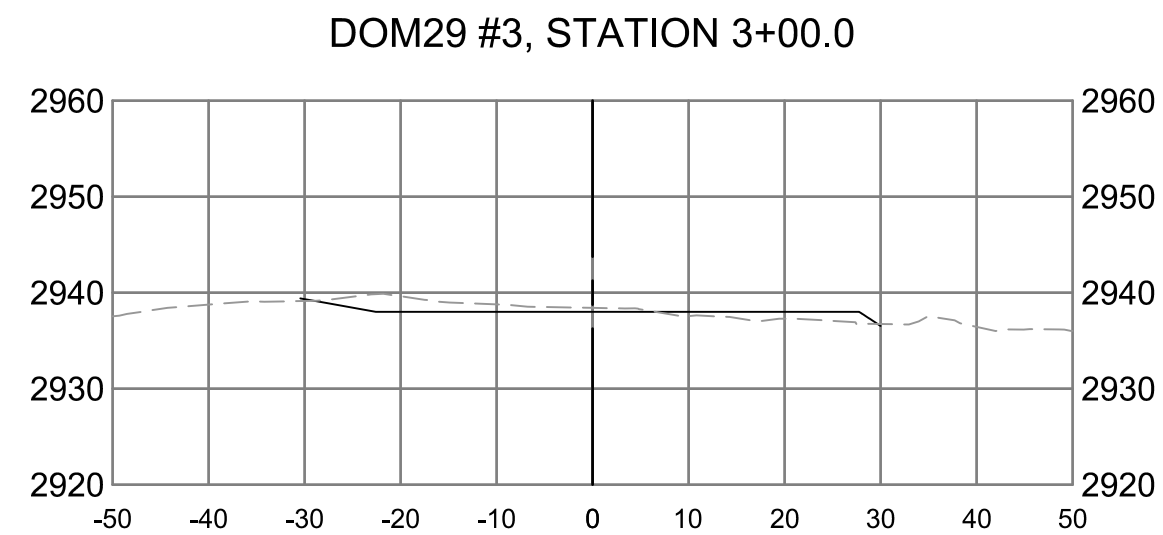
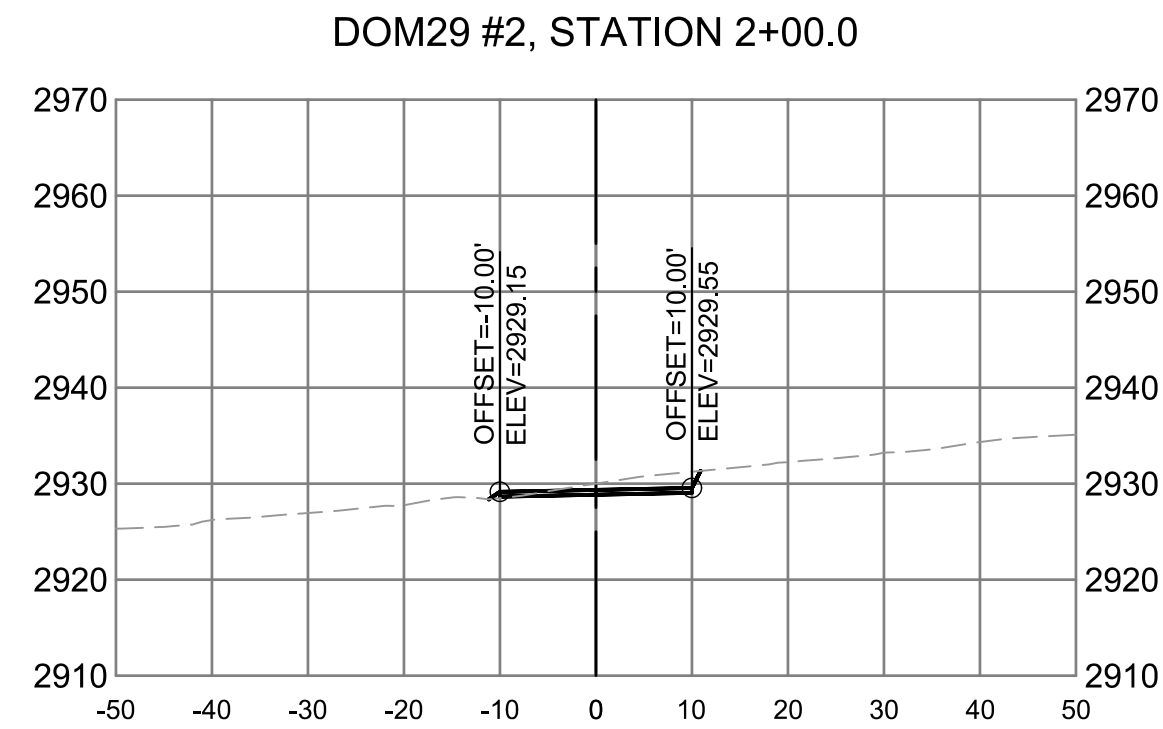
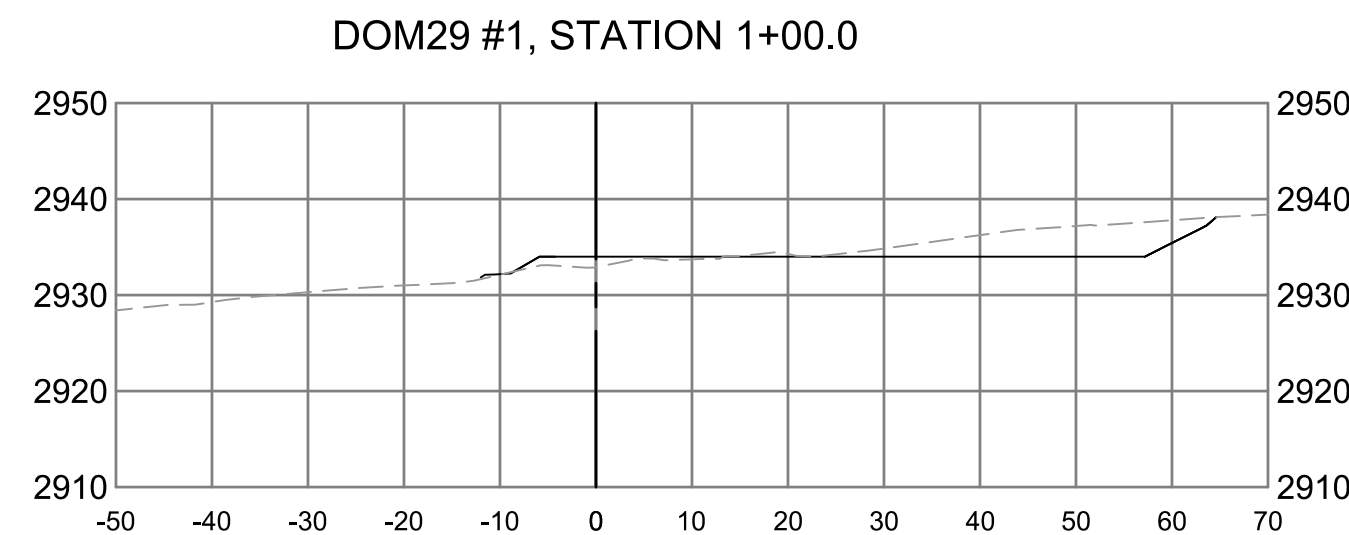
PROJECT NO. 50106442

DOM29-01

SHEET NO.

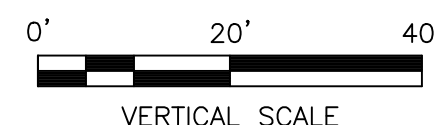
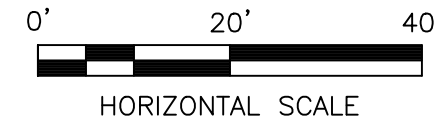


INSTALLATION PLAN



INSTALLATION PLAN NOTES

1. PLAN SHOWN HERE REPRESENTS "INSTALLATION PLAN" FOR CONSTRUCTION. SEE SHEET DOM29-R1 FOR "RESTORATION PLAN"
2. SEE THIS SHEET FOR CORRESPONDING CROSS SECTIONS AND EARTHWORK CALCULATIONS.
3. THE FREQUENCY OF CROSS SECTION SAMPLES VARIES BETWEEN 100FT AND 50FT SPACING; FREQUENCY IS INCREASED DEPENDING ON THE AMOUNT OF PROPOSED EARTHWORK AT EACH LOCATION.
4. EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
5. PROPOSED GRADING IS DESIGNED WITH 1:1 CUT SLOPES AND 1.5:1 FILL SLOPES UNLESS OTHERWISE NOTED.
6. PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

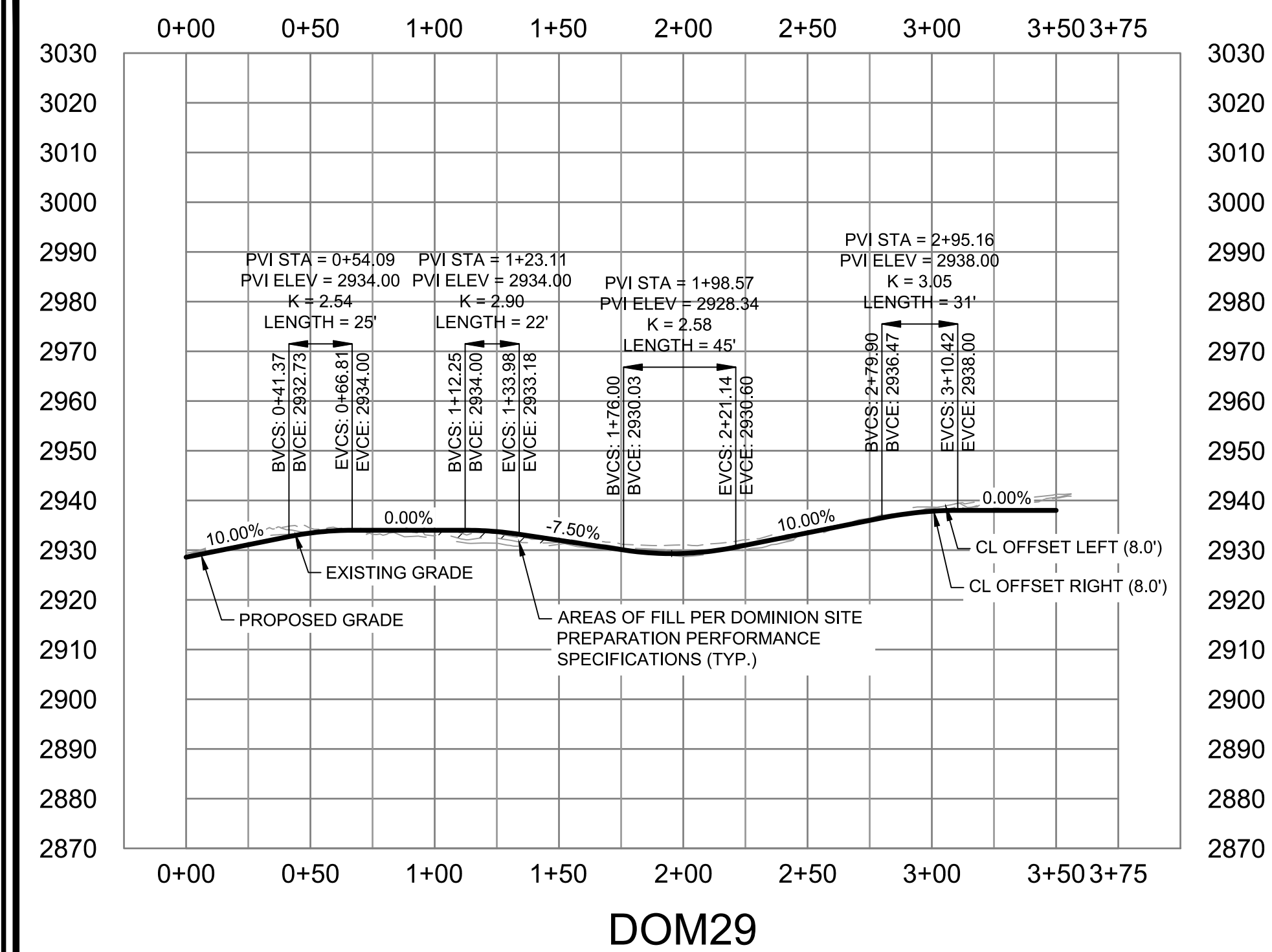


DOM 29 INSTALLATION PLAN EARTHWORK CALCULATIONS

	CUT (CY)	FILL (CY)	NET (CY)
DOM 29 IMPROVEMENT	72	70	2 (CUT)
INSTALL N. CRANE PAD AT STR. #189	265	15	250 (CUT)
INSTALL S. CRANE PAD AT STR. #189	176	42	134 (CUT)
INSTALLATION TOTALS	513	127	386 (CUT)

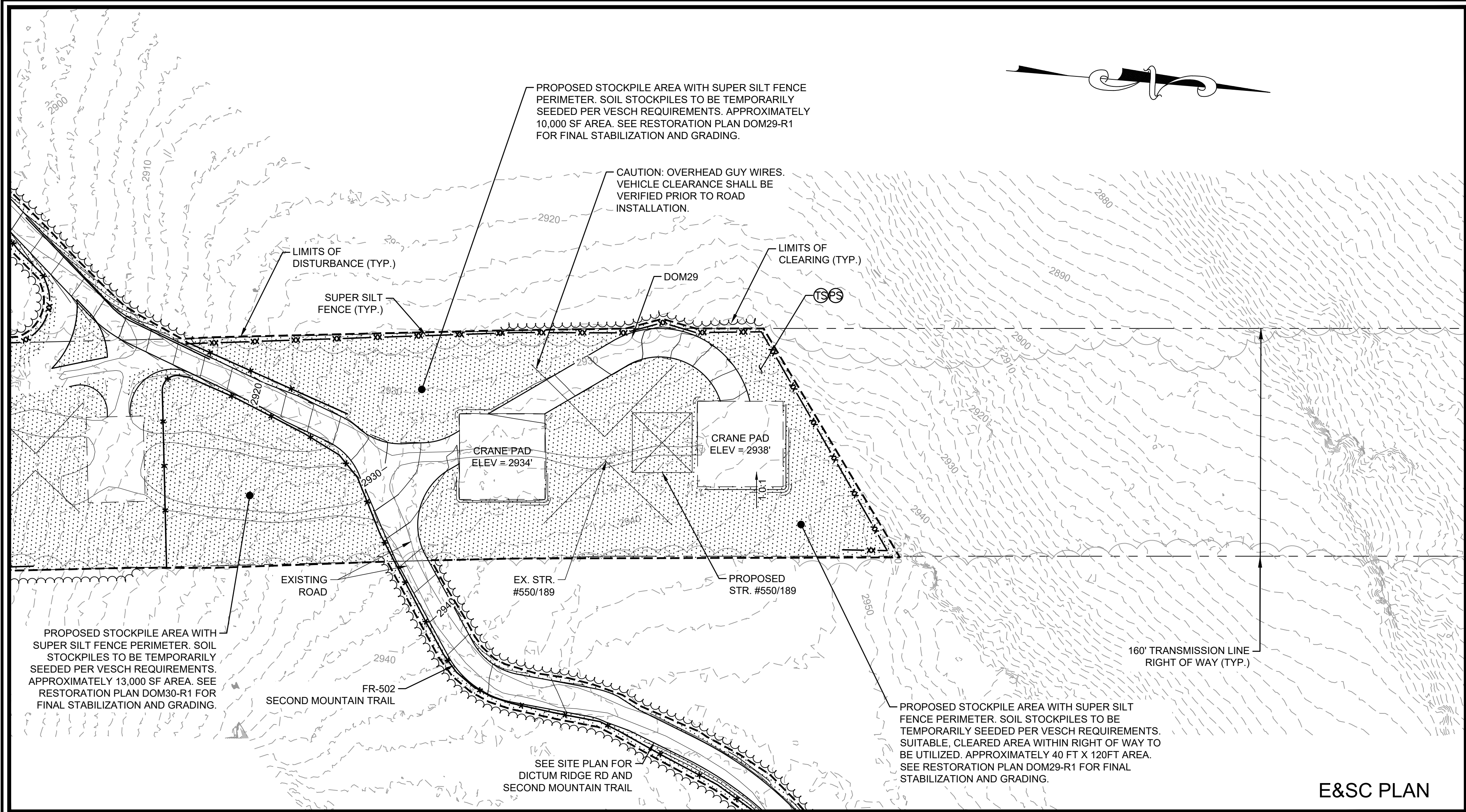
NOTES

1. SEE PLAN & PROFILE FOR CORRESPONDING CROSS SECTION NUMBER AND ROAD STATION.
2. CROSS SECTIONS SHOWN ON PLANS ARE FOR PURPOSES OF DESIGN, CONSTRUCTION, AND REVIEW.
3. THE ABOVE CUT/FILL SUMMARY TABLE IS NOT DEPENDENT ON CROSS SECTION FREQUENCY (I.E. AVERAGE END AREA METHOD). THE CUT/FILL SUMMARY TABLE IS DEVELOPED BASED ON 3D MODELING (COMPOSITE VOLUMES) OF THE EXISTING AND PROPOSED GRADES.
4. THE FREQUENCY OF CROSS SECTION SAMPLES VARIES BETWEEN 100FT AND 50FT SPACING; FREQUENCY IS INCREASED DEPENDING ON THE AMOUNT OF PROPOSED EARTHWORK AT EACH LOCATION.
5. EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
6. EXCESS MATERIALS SHALL BE STORED IN TEMPORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE49.
7. SEE DOM29-R1 FOR RESTORATION EARTHWORK CALCULATIONS AND TOTAL CALCULATIONS.



DOM29





**E&SC LEGEND**

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

**HATCH LEGEND**

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00

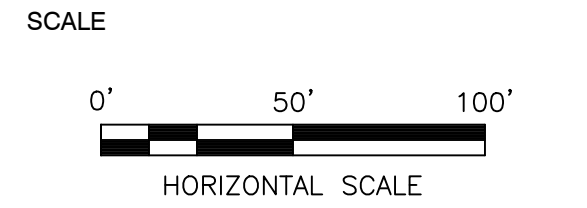


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TITLE

DOM29  
 ESC  
 PLAN

PROJECT NO. 50106442

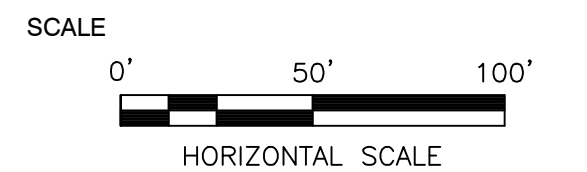
DOM29-02

SHEET NO.



SEAL

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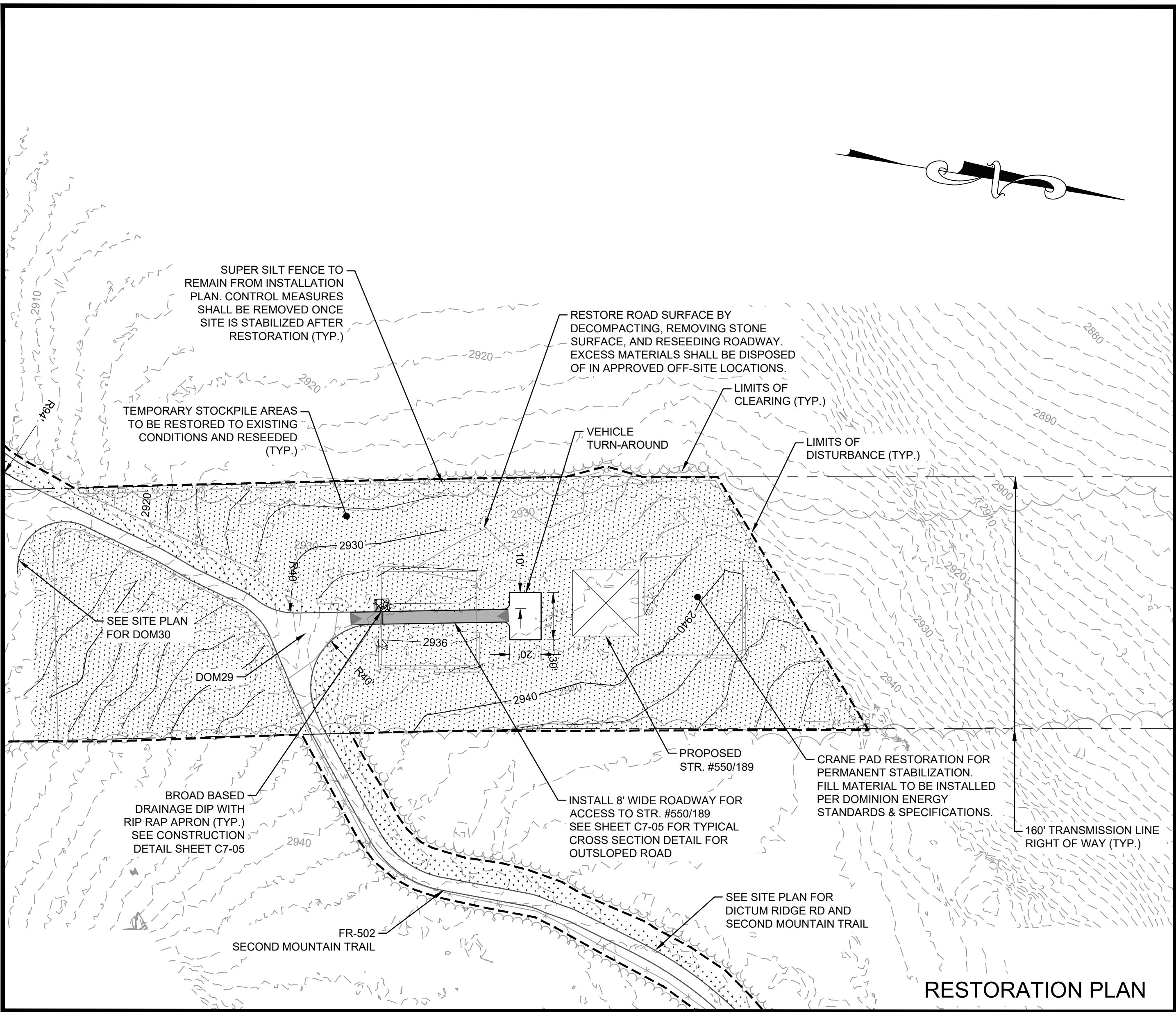
REVISIONS	
DRAWN BY	ARB
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DATE	04/19/2021
TITLE	

DOM29  
RESTORATION  
PLAN

PROJECT NO. 50106442

DOM29-R1

SHEET NO.



- RESTORATION PLAN NOTES
- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET DOM29-01 FOR "INSTALLATION PLAN"
  - FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
  - FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
  - CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
  - NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
  - IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
  - REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
  - EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
  - PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

DOM 29 INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
DOM 29 IMPROVEMENT	72	70	2 (CUT)
INSTALL N. CRANE PAD AT STR. #189	265	15	250 (CUT)
INSTALL S. CRANE PAD AT STR. #189	176	42	134 (CUT)
INSTALLATION TOTALS	513	127	386 (CUT)

DOM 29 RESTORATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
RESTORE N. CRANE PAD AT STR. #189	11	272	261 (FILL)
RESTORE S. CRANE PAD AT STR. #189	14	20	6 (FILL)
RESTORATION TOTALS	25	292	267 (FILL)

FINAL EARTHWORK BALANCE	
	NET (CY)
DOM 29 INSTALLATION	386 (CUT)
DOM 29 RESTORATION	267 (FILL)
DOM 29 TOTAL	119 (CUT)

- EARTHWORK NOTES
- EXCESS MATERIALS SHALL BE STORED IN TEMPORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE49.
  - WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
  - OVERALL EARTHWORK BALANCES FOR CE49 WILL BE PROVIDED IN SUMMARY TABLE.

**E&SC LEGEND**

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

**HATCH LEGEND**

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA